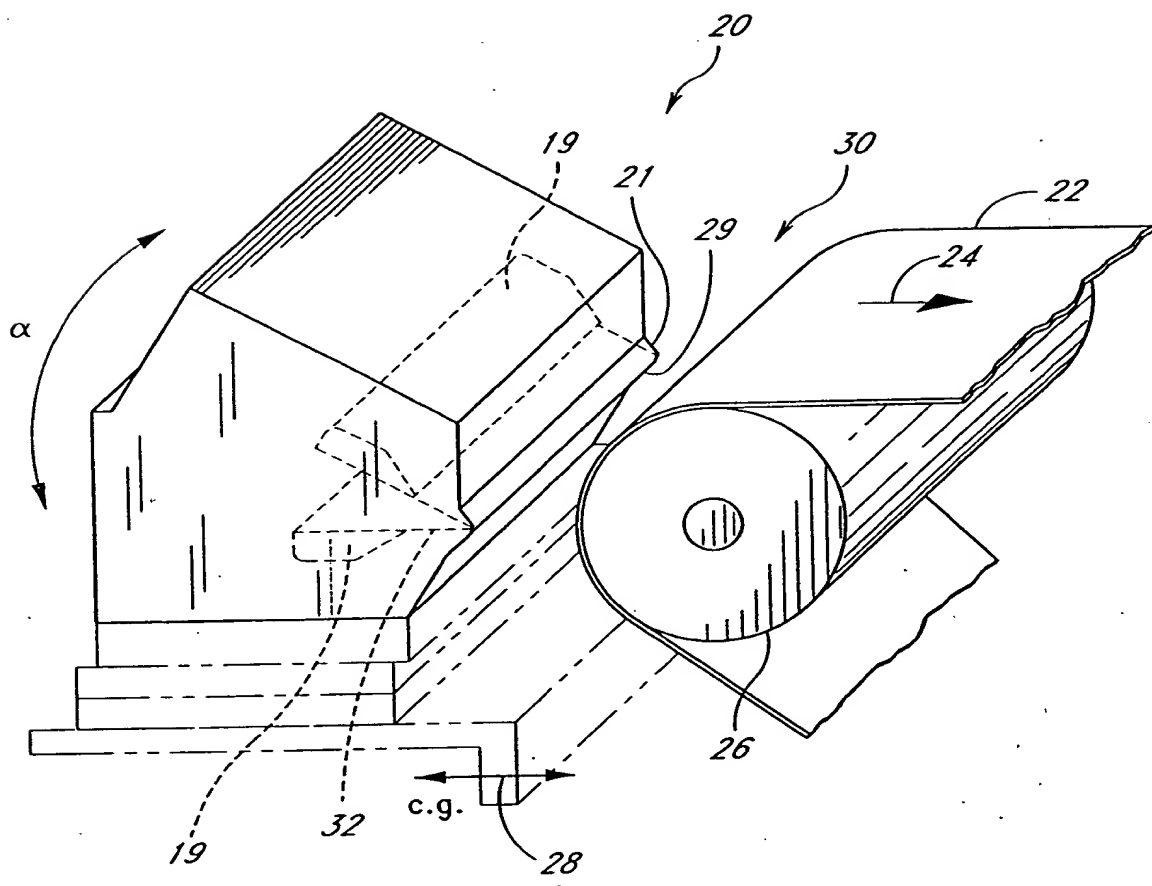


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*Fig. 1*



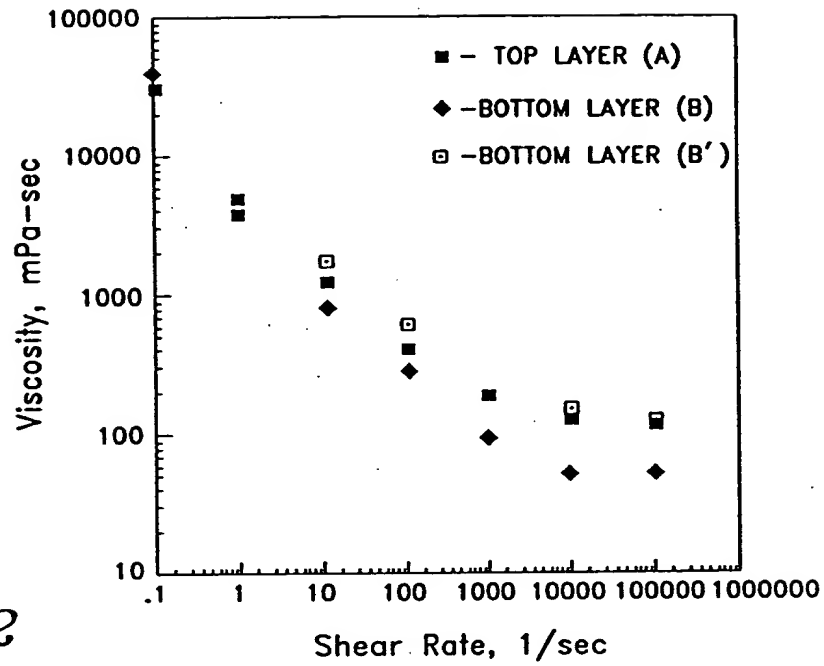


Fig. 2

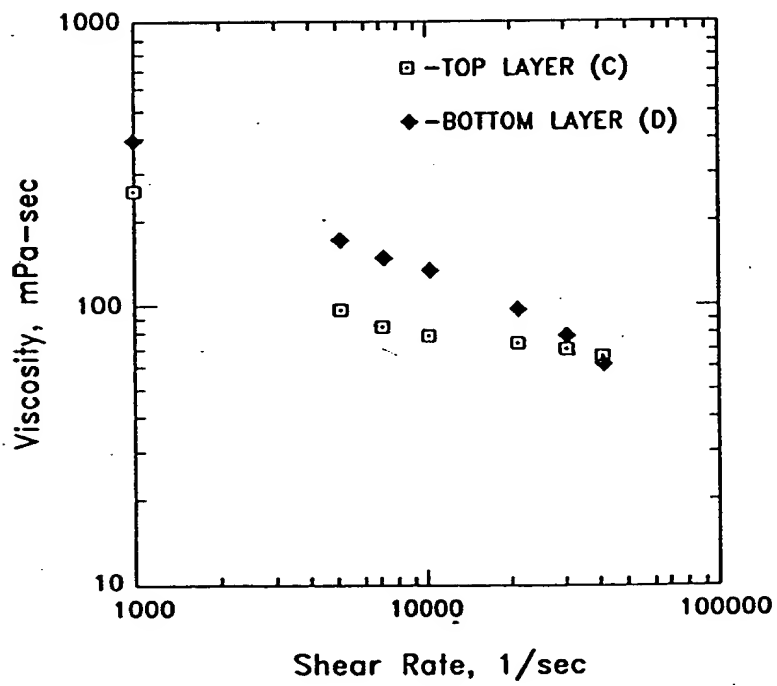
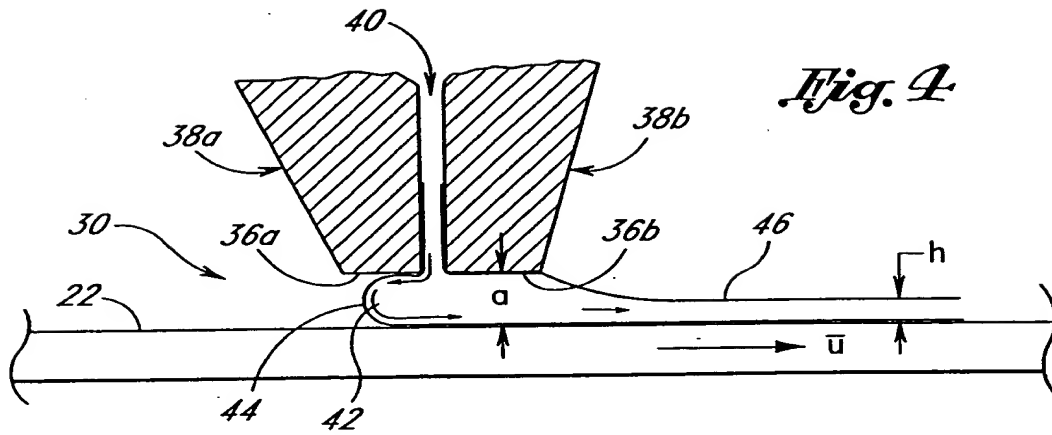
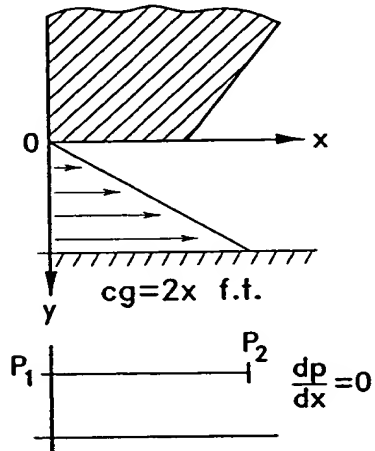


Fig. 3

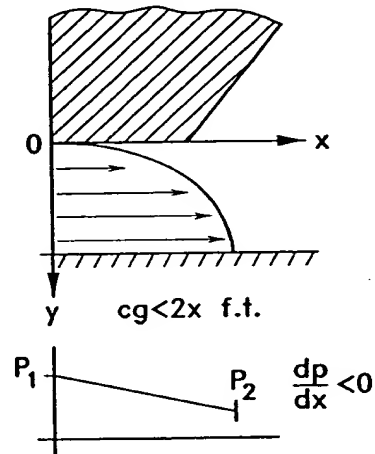


*Fig. 4*

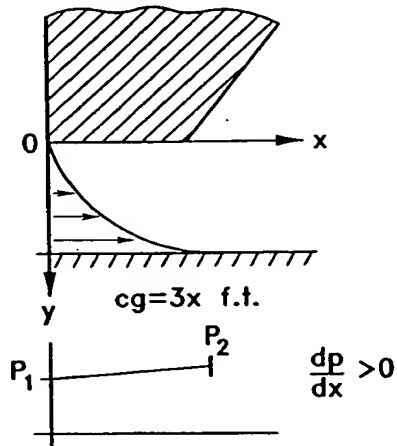
*Fig. 5a*



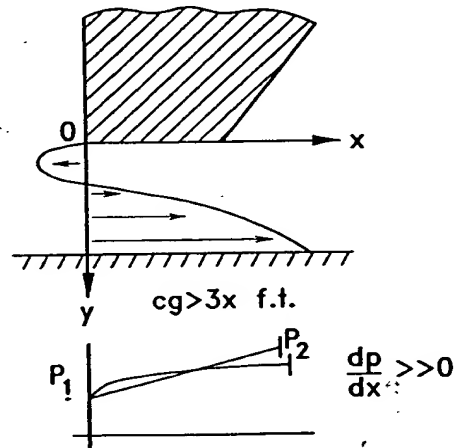
*Fig. 5b*



*Fig. 5c*



*Fig. 5d*



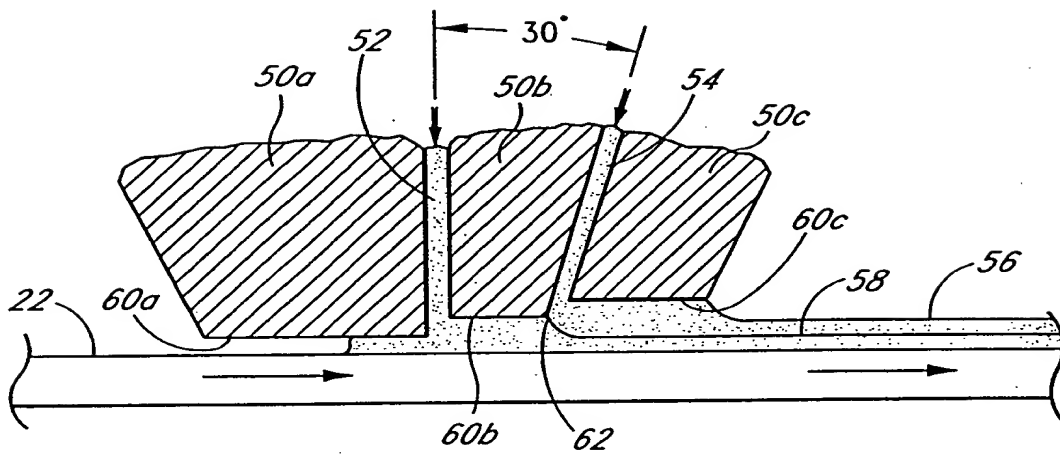


Fig. 6

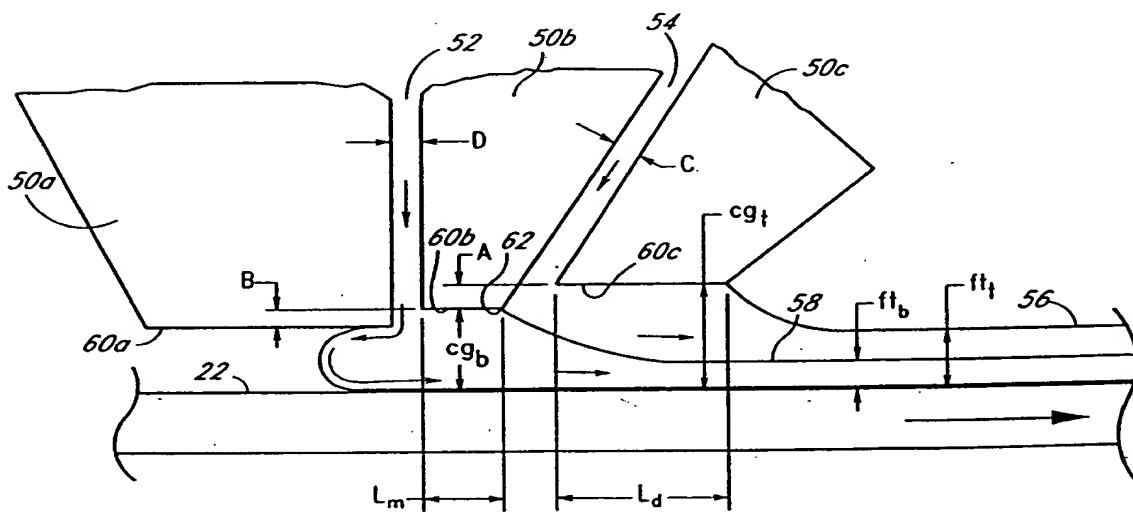
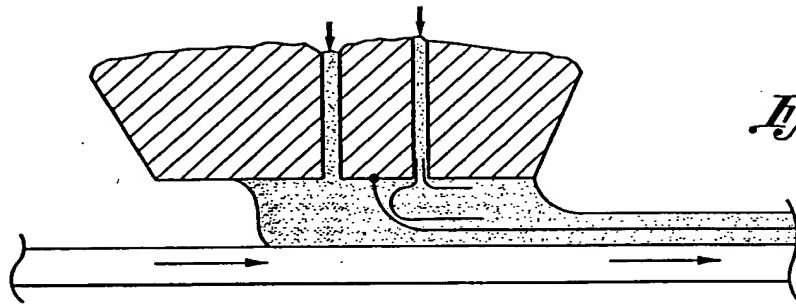
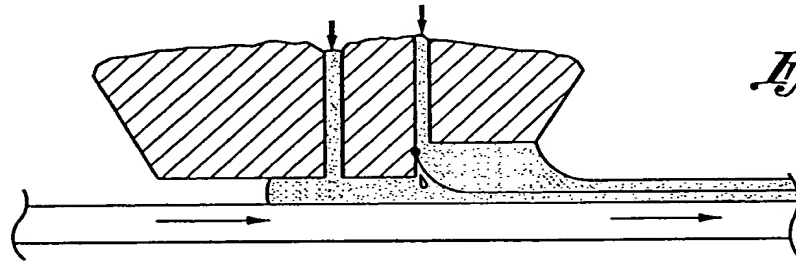


Fig. 7

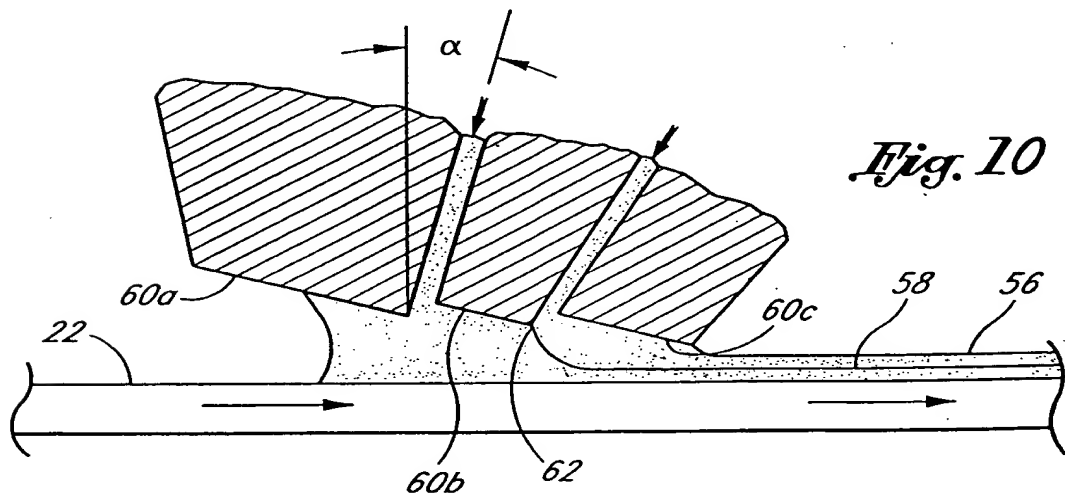
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*Fig. 8*

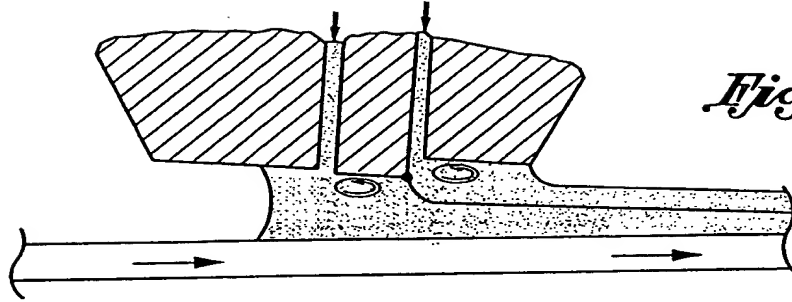


*Fig. 9*

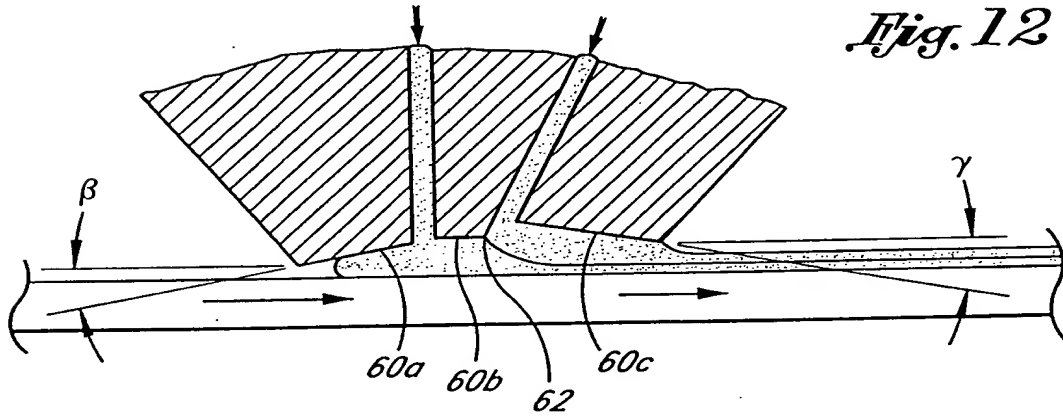


*Fig. 10*

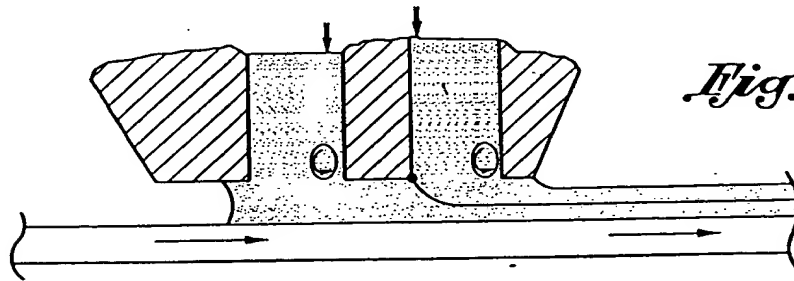
*Fig. 11*

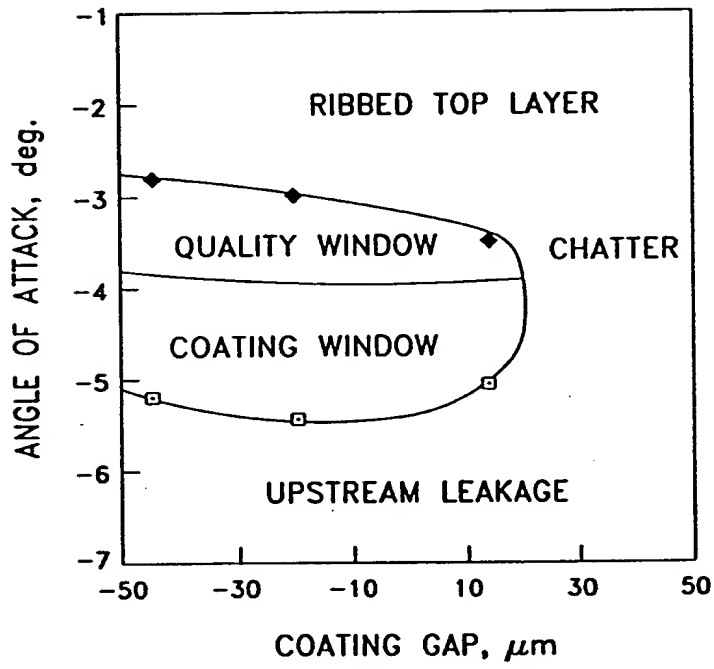


*Fig. 12*



*Fig. 13*





*Fig. 14*

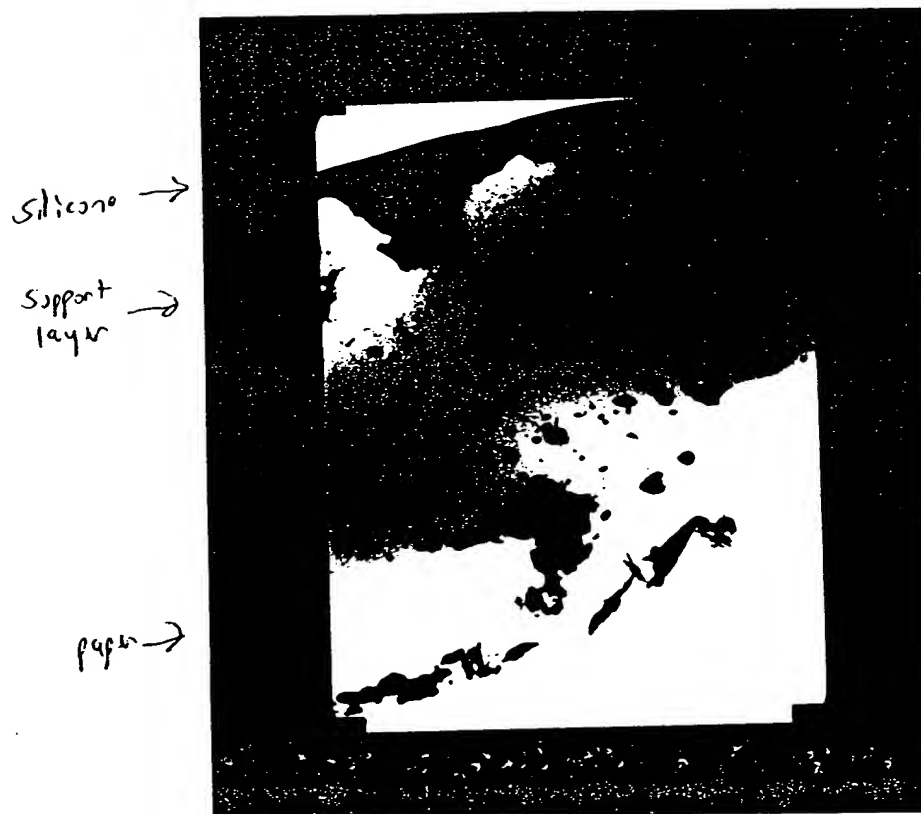
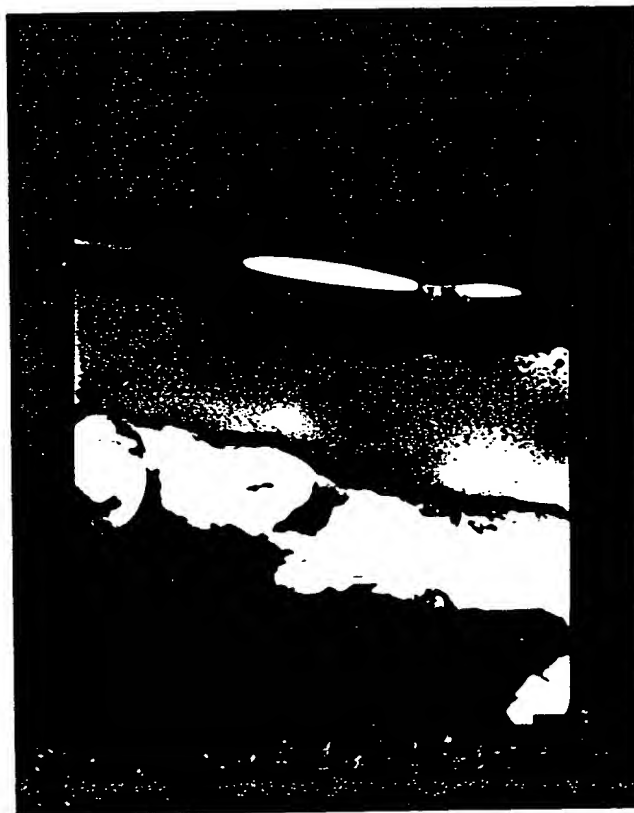


Figure 15



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← Silicone

← Support layer

← paper

Figure 16

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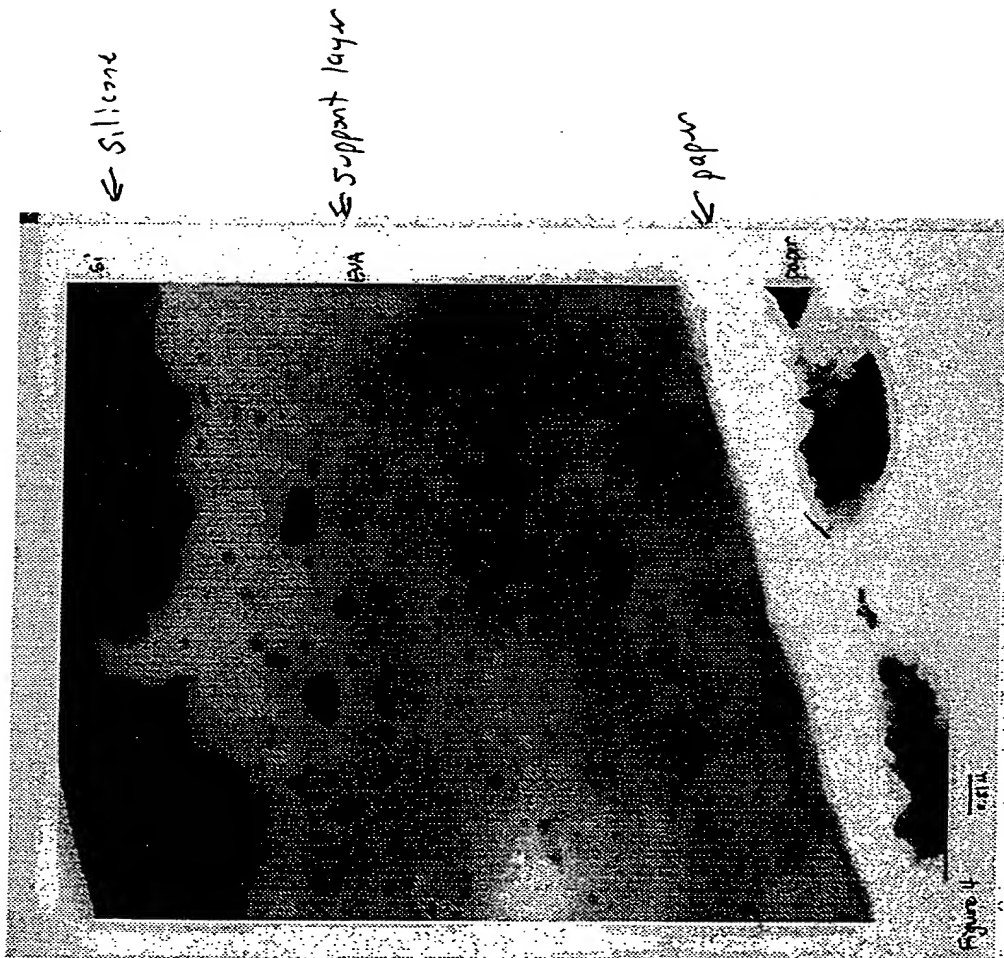
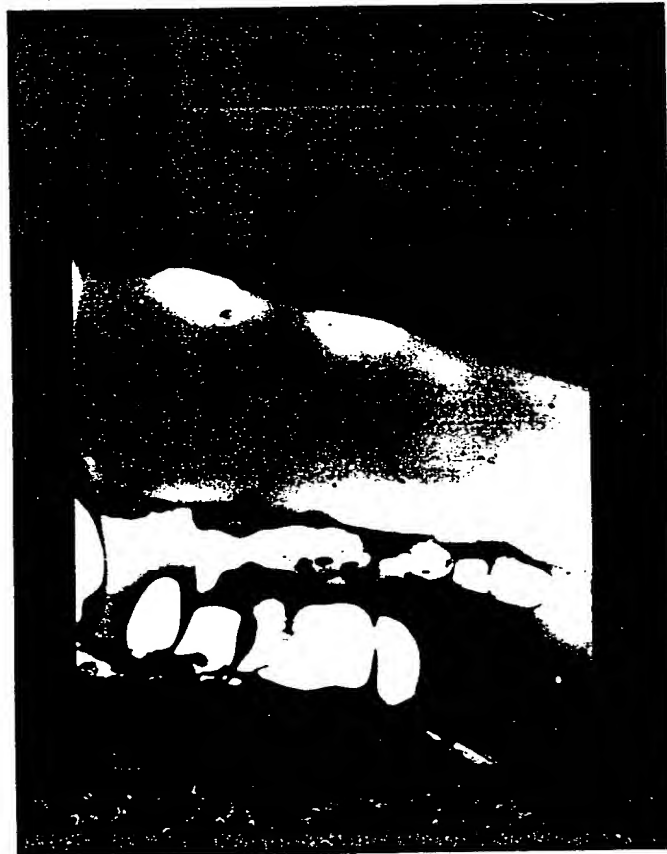


Figure 17

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← silicone

← support layer

← paper

Figure 18

# Flow into Paper

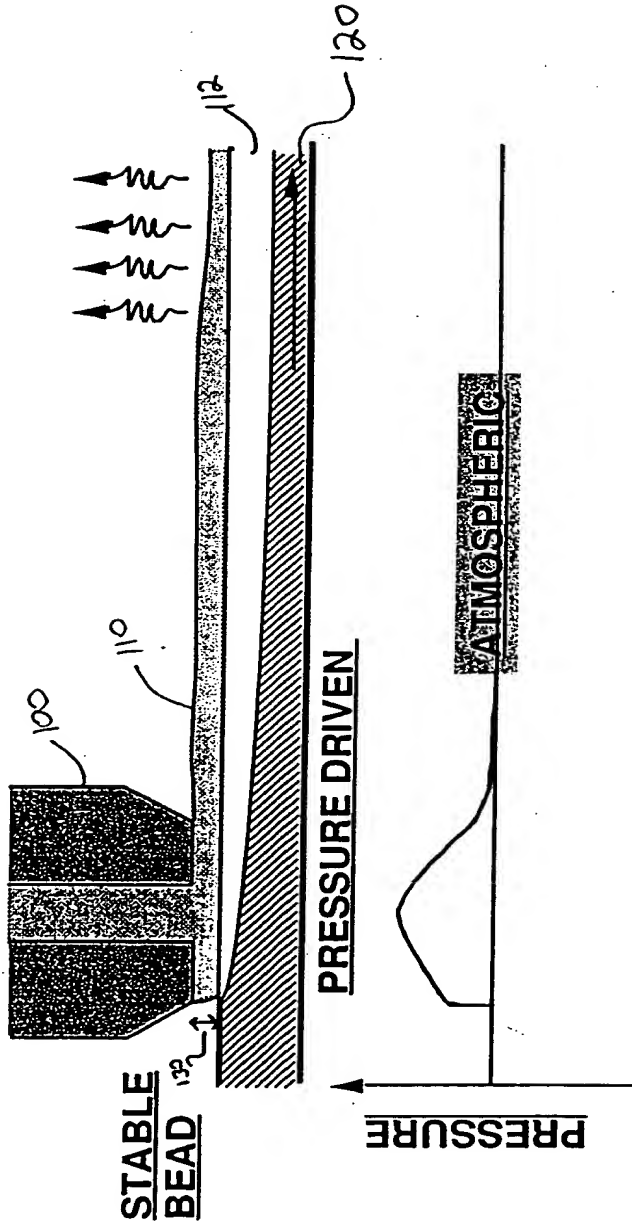


FIGURE 19A

PRESSURE DRIVEN FLOW PENETRATES PAPER RESULTING IN POOR  
COVERAGE OF SILICONE OVER SURFACE.

Flow into Paper

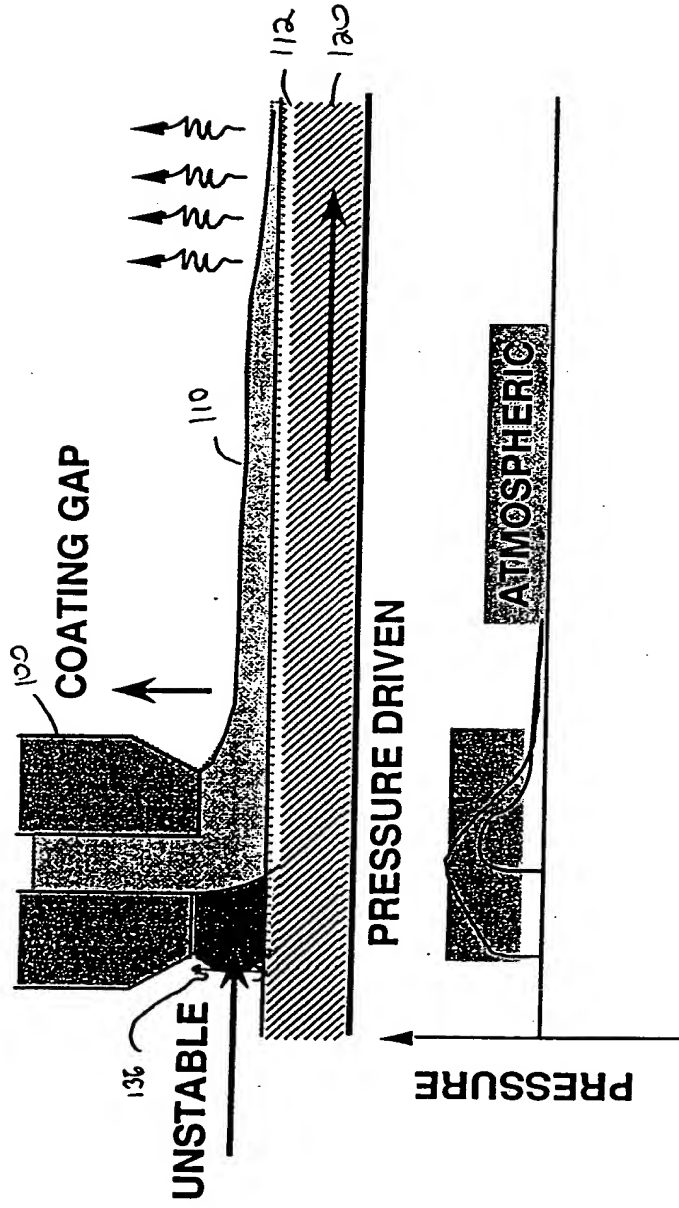
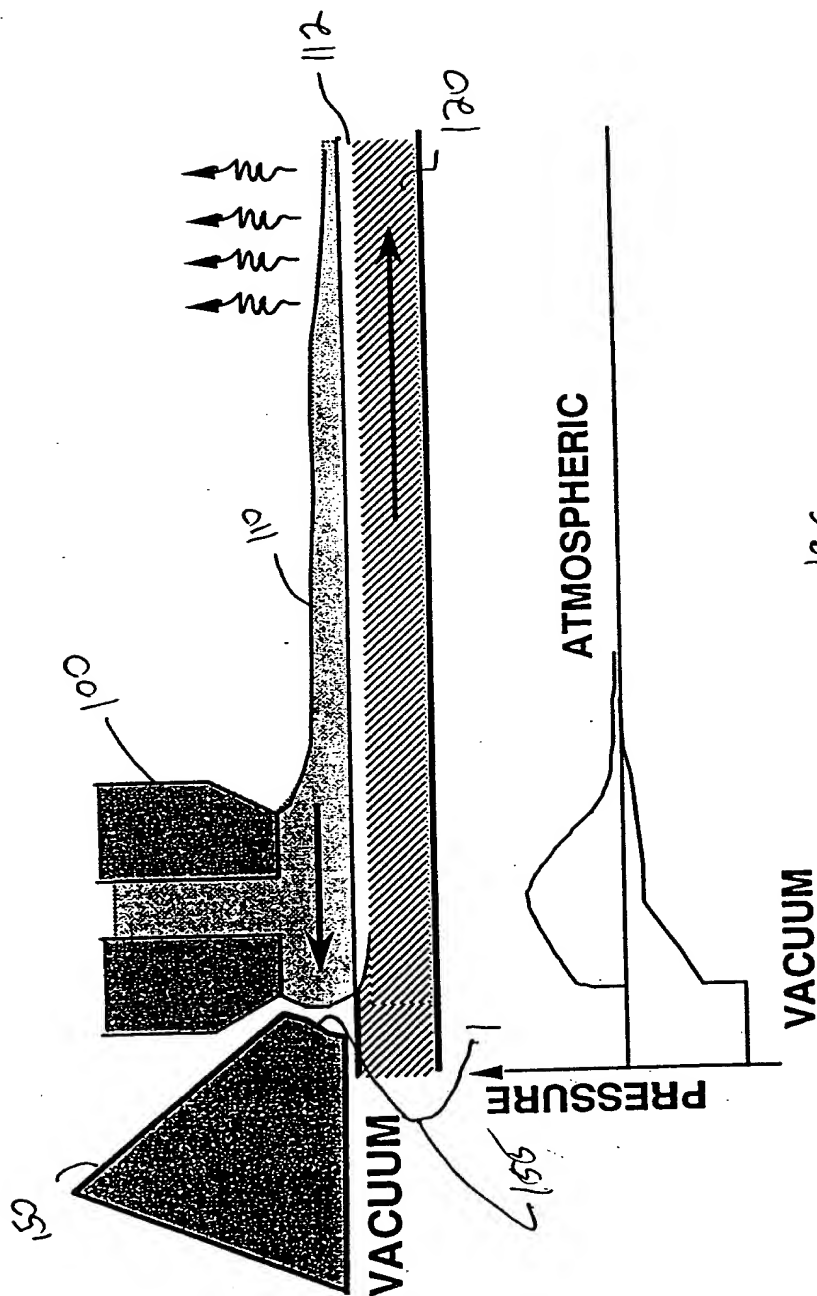


FIGURE 19 B

INCREASED COATING GAP REDUCES PRESSURE IN BEAD  
BUT CREATES AN UNSTABLE FLOW AND DEFECTS



WITH APPLICATION OF VACUUM, STABILITY OF THE STABLE COATING BEAD  
RE-ESTABLISHED. LESS PRESSURE = LESS PENETRATION INTO PAPER

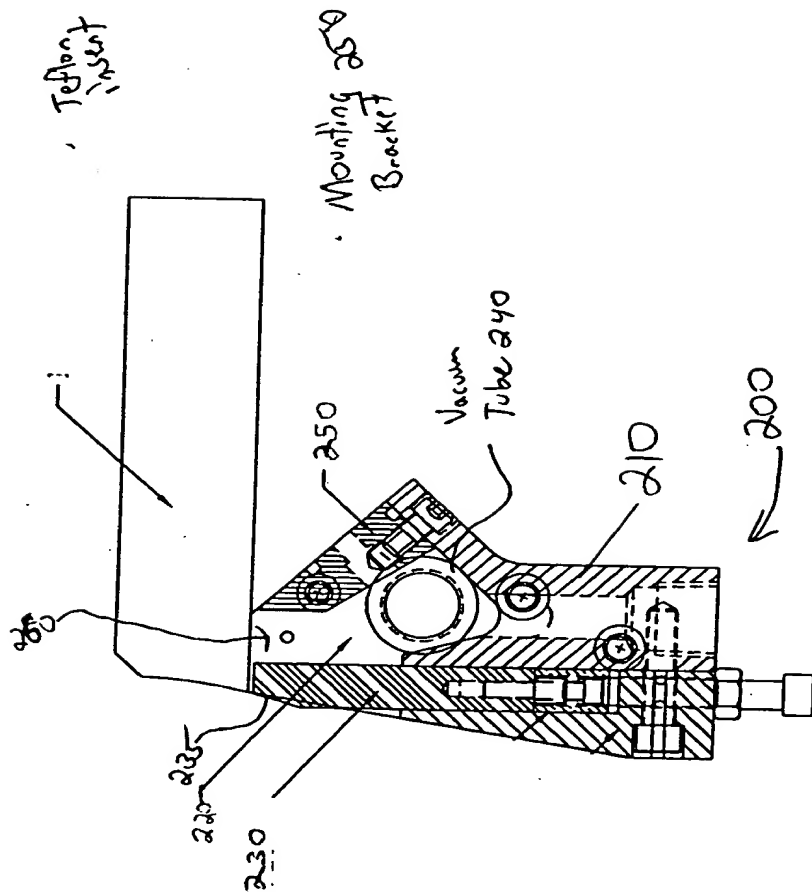


Figure 20

# *Internal Die Design* (Dimensions)

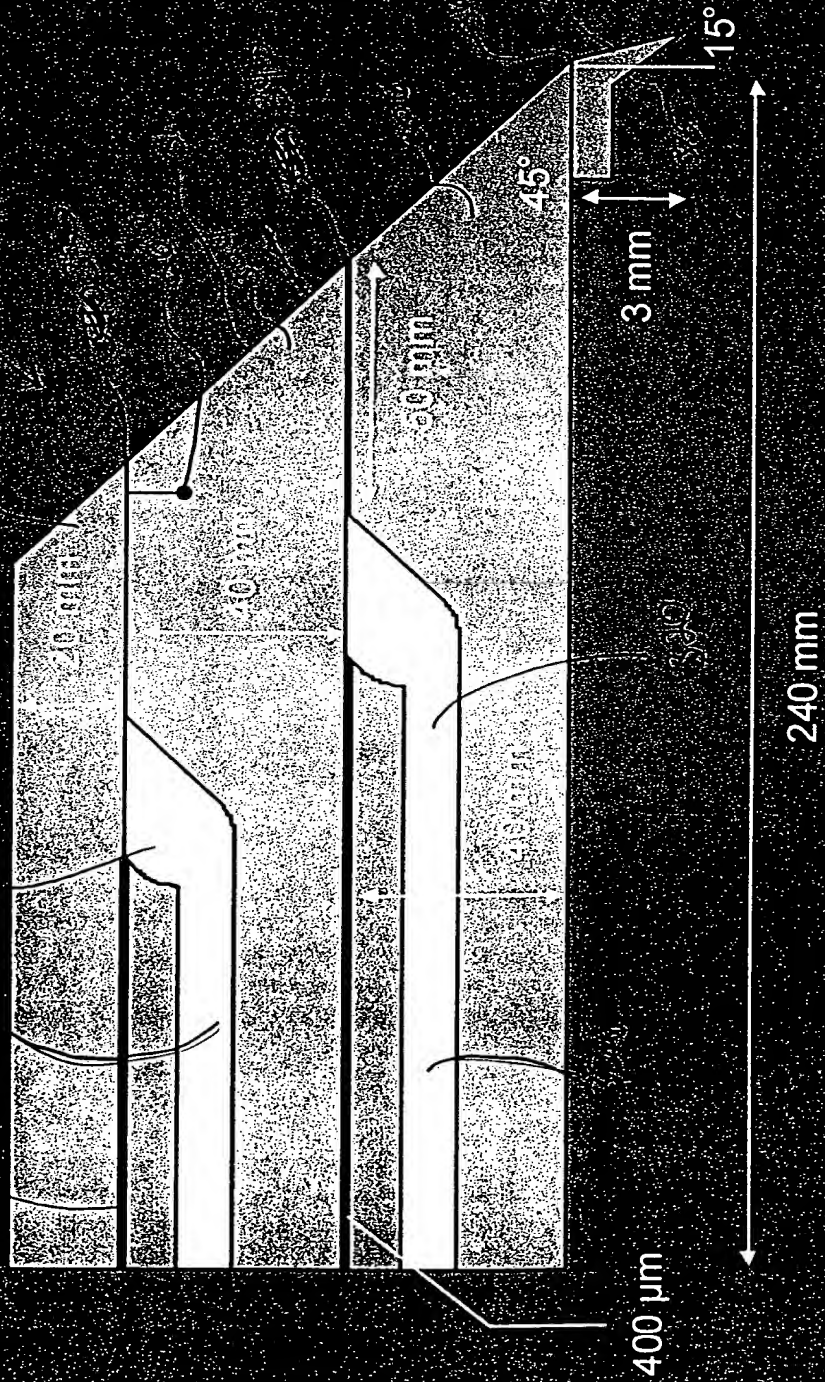


FIGURE 21



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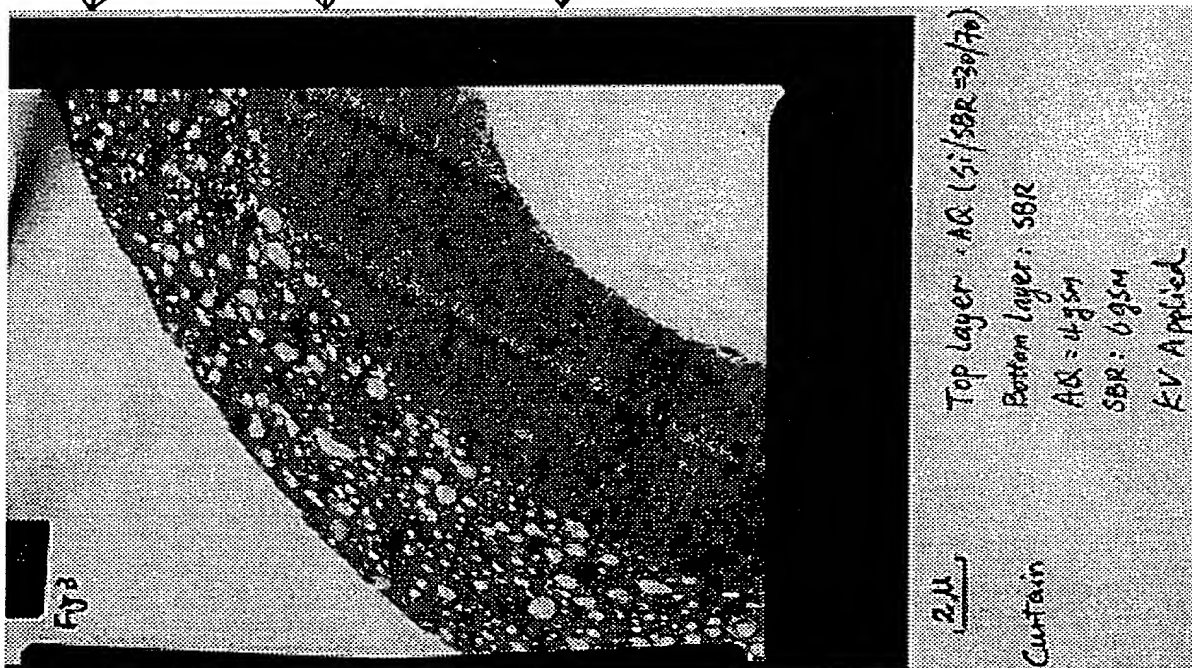


Figure 22